

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

- 1.-8. (Canceled).
9. (New) A method of cleaning grains including:
 - passing the grains through initial cleaning;
 - wetting the cleaned grains in a first wetting process;
 - conditioning the wetted and cleaned grains;
 - adjusting a moisture of the conditioned grains in a second wetting process; and
 - shelling the grains.
10. (New) The method of claim 9, wherein the grains are wheat grains.
11. (New) The method of claim 9 further including grinding the shelled grains.
12. (New) The method of claim 11 further including polishing the shelled grains after grinding.

13. (New) The method of claim 11 wherein grinding the grains occurs in a mill and the grains avoid contacting any horizontal conveying element in the mill.

14. (New) The method of claim 9 further including forming residue as the grains are shelled.

15. (New) The method of claim 14 further including pressing the residue into pellets.

16. (New) The method of claim 15 further including using the pellets as fuel.

17. (New) The method of claim 9 further including sifting the grains after the second wetting process.

18. (New) The method of claim 17 further including forming residue as the grains are sifted.

19. (New) The method of claim 18 further including pressing the residue into pellets.

20. (New) The method of claim 19 further including using the pellets as fuel.

21. (New) The method of claim 9 further including exposing the grains to a stream of air during shelling.

22. (New) The method of claim 9 wherein the second wetting process includes a light wetting process relative to the first wetting process.

23. (New) The method of claim 9 further including placing a wetting aggregate downstream of a weighing and metering machine in a direction of flow of the grains.

24. (New) The method of claim 9 wherein the shelling is carried out in a shelling machine positioned downstream of a weighing and metering machine in a direction of flow of the grains.

25. (New) The method of claim 24 wherein the shelling machine includes:

a rotatable rotor having processing tools;

a stator having processing tools; and

at least one sifting basket that envelopes the rotor and forms a processing zone, and wherein sifting of the shelled grains is provided by the sifting basket.

26. (New) The method claim 27 wherein the roll includes slits uniformly spaced apart on the circumference of the roll and extending over the entire length of the processing zone, and wherein the slits allow air to enter the processing zone during shelling.

27. (New) The method of claim 9 wherein the moisture of the conditioned grains is adjusted to about 2%.

28. (New) A method of cleaning grains including:

- passing the grains through initial cleaning and wetting;
- using a magnet to guide the grains to a wetting aggregate;
- setting a moisture level in the wetting aggregate;
- wetting the grains in the wetting aggregate;
- guiding the grains by the magnet to a shelling station;
- passing the grains from an inlet via a feed screw into a processing zone in the shelling station;
- generating a specific pressure in the processing zone;
- shelling the grains in the processing zone while exposing the grains to a stream of air;
- exiting the shelled grains from the processing zone via an adjustable outlet hole; and
- discharging the shelled grains from the shelling station.